



RECEIVED

AUG 24 2001

TECH CENTER 1600/2900

<110> FORSSMANN, WOLF-GEORG
ZUCHT, HANS-DIETER
LIEPKA, CORNELIA

<120> BIFIDOGENIC PEPTIDES

<130> 10496/P65141US0

<140> 09/508,095
<141> 2000-03-16

<160> 24

<170> PatentIn Ver. 2.1

<210> 1
<211> 8
<212> PRT
<213> Artificial Organism

<220>
<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 1
Glu Gln Leu Leu Arg Leu Lys Lys
1 5

<210> 2
<211> 11
<212> PRT
<213> Artificial Organism

<220>
<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 2
Tyr Leu Glu Gln Leu Leu Arg Leu Lys Lys Tyr
1 5 10

<210> 3
<211> 8
<212> PRT
<213> Artificial Organism

<220>
<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 3
Asn Arg Gln Arg Asn Ile Leu Arg
1 5

<210> 4
<211> 13

<212> PRT

<213> Artificial Organism

<220>

<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 4

Tyr Met Asn Gly Met Asn Arg Gln Arg Asn Ile Leu Arg
1 5 10

<210> 5

<211> 9

<212> PRT

<213> Artificial Organism

<220>

<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 5

Phe Gln Trp Gln Arg Asn Met Arg Lys
1 5

<210> 6

<211> 8

<212> PRT

<213> Artificial Organism

<220>

<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 6

His Thr Gly Leu Arg Arg Thr Ala
1 5

<210> 7

<211> 9

<212> PRT

<213> Artificial Organism

<220>

<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 7

Phe Thr Ala Ile Gln Asn Leu Arg Lys
1 5

<210> 8

<211> 10

<212> PRT

<213> Artificial Organism

<220>

<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 8
Glu Val Ala Ala Arg Ala Arg Val Val Trp
1 5 10

<210> 9
<211> 8
<212> PRT
<213> Artificial Organism

<220>
<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 9
Trp Gln Arg Asn Met Arg Lys Val
1 5

<210> 10
<211> 9
<212> PRT
<213> Artificial Organism

<220>
<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 10
Leu Ala Arg Thr Leu Lys Arg Leu Lys
1 5

<210> 11
<211> 8
<212> PRT
<213> Artificial Organism

<220>
<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 11
Tyr Lys Gln Lys Val Glu Lys Val
1 5

<210> 12
<211> 8
<212> PRT
<213> Artificial Organism

<220>
<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 12
Leu Val Arg Tyr Thr Lys Lys Val
1 5

<210> 13
<211> 9
<212> PRT
<213> Artificial Organism

<220>
<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 13
Lys Tyr Leu Tyr Glu Ile Ala Arg Arg
1 5

<210> 14
<211> 12
<212> PRT
<213> Artificial Organism

<220>
<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 14
Ala Arg Arg Ala Arg Val Val Trp Cys Ala Val Gly
1 5 10

<210> 15
<211> 4
<212> PRT
<213> Artificial Organism

<220>
<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 15
Cys Ile Ala Leu
1

<210> 16
<211> 13
<212> PRT
<213> Artificial Organism

<220>
<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 16
Ala Arg Arg Ala Arg Val Val Trp Cys Ala Val Gly Glu
1 5 10

<210> 17
<211> 55
<212> PRT
<213> Artificial Organism

<220>

<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 17

Tyr Gln Arg Arg Pro Ala Ile Ala Ile Asn Asn Pro Tyr Val Pro Arg
1 5 10 15Thr Tyr Tyr Ala Asn Pro Ala Val Val Arg Pro His Ala Gln Ile Pro
20 25 30Gln Arg Gln Tyr Leu Pro Asn Ser His Pro Pro Thr Val Val Arg Arg
35 40 45Pro Asn Leu His Pro Ser Phe
50 55

<210> 18

<211> 49

<212> PRT

<213> Artificial Organism

<220>

<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 18

Gly Arg Arg Arg Arg Ser Val Gln Trp Cys Thr Val Ser Gln Pro Glu
1 5 10 15Ala Thr Lys Cys Phe Gln Trp Gln Arg Asn Met Arg Arg Val Arg Gly
20 25 30Pro Pro Val Ser Cys Ile Lys Arg Asp Ser Pro Ile Gln Cys Ile Gln
35 40 45

Ala

<210> 19

<211> 48

<212> PRT

<213> Artificial Organism

<220>

<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 19

Gly Arg Arg Arg Ser Val Gln Trp Cys Ala Val Ser Gln Pro Glu Ala
1 5 10 15Thr Lys Cys Phe Gln Trp Gln Arg Asn Met Arg Lys Val Arg Gly Pro
20 25 30Pro Val Ser Cys Ile Lys Arg Asp Ser Pro Ile Gln Cys Ile Gln Ala
35 40 45

<210> 20

<211> 49
<212> PRT
<213> Artificial Organism

<220>
<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 20
Gly Arg Arg Arg Arg Ser Val Gln Trp Cys Ala Val Ser Gln Pro Glu
1 5 10 15

Ala Thr Lys Cys Phe Gln Trp Gln Arg Asn Met Arg Lys Val Arg Gly
20 25 30

Pro Pro Val Ser Cys Ile Lys Arg Asp Ser Pro Ile Gln Cys Ile Gln
35 40 45

Ala

<210> 21
<211> 26
<212> PRT
<213> Artificial Organism

<220>
<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 21
Val Tyr Gln His Gln Lys Ala Met Pro Lys Pro Trp Ile Gln Pro Lys
1 5 10 15

Thr Lys Val Ile Pro Tyr Val Arg Tyr Leu
20 25

<210> 22
<211> 12
<212> PRT
<213> Artificial Organism

<220>
<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 22
Ala Arg Arg Ala Arg Val Val Trp Ala Ala Val Gly
1 5 10

<210> 23
<211> 10
<212> PRT
<213> Artificial Organism

<220>
<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 23
Cys Ala Val Gly Gly Gly Cys Ile Ala Leu
1 5 10

<210> 24
<211> 19
<212> PRT
<213> Artificial Organism

<220>
<223> Description of Artificial Organism: Synthetic bifidogenic peptide

<400> 24
Arg His Thr Arg Lys Tyr Trp Cys Arg Gln Gly Ala Arg Gly Gly Cys
1 5 10 15
Ile Thr Leu